

10-23

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

Yellowstone NATIONAL PARK

FILE No. 143

MONTHLY REPORTS

March, 1926

MARCH 1926.

File
copy

April 3, 1926.

Dear Sir:

The following is my report on conditions in Yellowstone National Park and on the activities of the National Park Service for the month of March, 1926:

000 - General

The month of March in Yellowstone National Park was like several of the preceding months - unusually mild. This condition abruptly changed, however, about March 26 when cold winds and a falling barometer brought storms which lasted until the end of the month, and up to the time of the writing of this report. During the mild weather the clear days and warm sun disposed of almost all of the remaining snow about headquarters and on the surrounding hills. The roads to Gardiner were dry and dusty. Early spring migratory birds arrived from the south and it appeared that what little winter we had was at an end. The return of stormy weather brought considerable snow, and at this writing there are several inches of heavy, wet snow at headquarters. This condition extends to Gardiner and farther down the Yellowstone Valley. Maintenance and repair work proceeded normally. A few visitors, mostly salesmen, have been in the park on business. There have been no tourists.

110 - Status of Work

Yellowstone Park continues to be on a winter basis. With the exception of remodeling buildings for quarters for members of the Chief Civil Engineer's Division, no work outside of the ordinary routine winter maintenance and upkeep work was undertaken. On the administrative side of the office several reports relating to the proposed revision of Yellowstone Park boundaries were prepared and forwarded to Washington. Much time was devoted to correspondence and papers relating to the proposed modifications in the bill pro-

viding for the acquisition of winter range for elk north of the park, and heavy correspondence was kept current. Considerable time was spent both by Resident Engineer Burney and myself on the ultimate building development program for Yellowstone Park. On the financial side of the office all accounting and disbursing work was kept current, and in spare time the clerks worked on the preparation of forms needed for the heavy activities of the summer. All filing was kept up to date, and the file and personnel clerk was pretty busy on appointment matters, particularly the preparation of the various papers that had to be submitted with the recommendations for the appointment of temporary rangers. As this report is written it appears that Yellowstone Park will be ready for the beginning of spring work with practically all equipment in good repair and with all administrative and protective activities in excellent shape for assuming the burden of the summer.

120 - Park Inspections by Superintendent

During the month I was at headquarters most of the time. While here I made almost daily inspections of the shops, offices and miscellaneous activities that were in progress at this point. On March 4th, 5th and 6th I made a trip to Livingston and Bozeman for conferences with county officials, mostly on road matters. On the night of March 4th I attended a forum meeting of the Bozeman Chamber of Commerce and discussed our plans for the improvement of the West Gallatin road. In Livingston I devoted much time to conferences on the game preserve bill, and I also conferred with county commissioners of Park County and with officers of the Forest Service on problems of mutual interest. On March 25 I left the park for Wyoming points, and returned to headquarters on April 2nd. On this trip I visited Livingston and Billings, Mont., and Sheridan, Wyo., where I conferred with civic bodies and county officials in regard to Yellowstone approach roads which cross the Big Horn Mountains; Buffalo, Wyo., where similar conferences in regard to the Buffalo-Ten Sleep road were held; Casper, Wyo., where a series of conferences were held in regard to the development of tourist business, proposed road improvement projects, development of the Wyoming Motor Club, etc.; Cody, where I made preliminary arrangements for beginning our spring work on the Cody road. While in Cody I inspected the road from Cody to Shoshone dam and then covered that section of the road beyond the dam that was under reconstruction under an allotment of funds by the Forest Service. This will be discussed in another part of this report. The trip from Sheridan to Casper was made by automobile, which gave me an opportunity to cover a considerable mileage of Wyoming roads that I had not heretofore seen.

130 - Finance and Accounts

Status of Appropriations

The total appropriations available to Yellowstone National Park for the current fiscal year is \$509,500.00. There is a reserve set up against these appropriations of \$12,920, leaving a balance

available for expenditure in the park of \$496,580. At the close of March 31, 1926, the status of these combined appropriations was as follows:

Voucher Record Payments	\$367,127.76
Book Liabilities	24,144.93
Team Hire	0.00
Meals to March 31, 1926,	95.00
Telephone & Telegraph	175.40
Salaries & Wages Unpaid to Mar. 31, 1926	1,371.02
Freight and Express	928.99
Total expended and obligated	<u>\$393,843.10</u>
Balance (unexpended and un-obligated)	\$101,436.90

As to the condition of the allotments the total funds allotted to March 31, 1926, was \$439,280.00. The total expended and obligated to March 31, 1926, is \$393,843.10. The balance in the allotments for the three quarters at the end of March was \$45,436.90.

APPROPRIATION: 4⁵436 ROADS & TRAILS, NATL. PARKS, 1925-26

	Allotments	Expended	Balance
Previously reported	\$108,000.00	\$66,094.74	\$33,905.26
Expended during March		2,154.33	-2,154.33
	<u>\$108,000.00</u>	<u>\$68,249.07</u>	<u>\$31,750.93</u>

APPROPRIATION: 4⁵433 YELLOWSTONE NATL. PARK, 1925-26

Previously reported	\$ 31,497.00	\$31,217.40	\$ 279.60
Expended during March			
	<u>\$ 31,497.00</u>	<u>\$31,217.40</u>	<u>\$ 279.60</u>

APPROPRIATION: 4⁵406 INSECT INFESTATION, N.P.S., 1925-26.

Previously reported	\$ 5,500.00	\$ 4,398.80	\$ 1,101.20
Expended during March	0.00	0.00	0.00
	<u>\$ 5,500.00</u>	<u>\$ 4,398.80</u>	<u>\$ 1,101.20</u>

APPROPRIATION: 46433 YELLOWSTONE NATL. PARK, 1926

Previously reported	\$351,583.00,	\$255,520.80	\$96,062.20
Expended during March	0.00	10,483.71	-10,483.71
	<u>\$351,583.00</u>	<u>\$266,004.51</u>	<u>\$85,578.49</u>

- Indicates red figure.

Revenues

The report of revenues is attached to the report as Schedule #4.

170 - Plans, Maps and Surveys

The notes of Unit #2 of the West Callatin road survey were worked up and a plan, profile and estimate of quantities and cost of this project compiled. Plans and estimates were compiled for spring maintenance work, telephone construction and other improvements, and submitted to the Superintendent. The work of remodeling the three buildings at Mammoth for quarters and office for the Chief Engineer's staff was supervised, and correspondence and other duties of the Engineer's office attended to.

180 - Circulars, placards, publicity bulletins, etc.

Volume III, No. 3, of the Yellowstone Nature Notes was issued during the month and a copy is attached.

200 - Maintenance, Improvements and New Construction

210 - Maintenance

Commissary: Employees in this department were engaged in completing and checking inventories, receiving and storing supplies, issuing supplies, lumber and tools for new Engineer building, repairing tents, making up ration order, equipment order, supply order and forms for 1926 season, calling in kitchen equipment and tools from all personal memorandum receipts and checking same. Trucks were jacked up also.

Transportation Department: This department hauled freight, express, gas, furniture, laundry and groceries from Gardiner to Mammoth, amounting to 173,046#. Furniture and supplies were moved around Mammoth. The market wagon made trips to Gardiner on Mondays, Wednesdays and Saturdays.

220 - Improvements

Good progress was made remodeling old commissary building #6 into two sets of living quarters for the Chief Civil Engineer's staff. The partitions are all in place and lathing about 60% completed. The two front porches are built, stairways finished, and all window frames and windows placed. The electrician has finished wiring for doorbells, telephones, lighting and heating circuits and the plumber has all waste and vent pipes roughed in. The two kitchen chimneys are also built. In the old guard house where the central heating plant will be located, a pit has been excavated and concreted in the basement for the boiler.

The following work was done by the Master Painter and his assistant during the month: Papered 2 rooms and hall in Mr. Eckman's quarters; varnished 2 rooms and lower hall, stained and varnished stairs

and floor of one room, painted woodwork and kitchen and painted cupboards in pass pantry in Burrell's quarters; kalsomined one room in office at headquarters; painted kitchen complete in Allan's quarters; varnished floor of Miss Madsen's bedroom; painted kitchen of Robinson's quarters; papered and painted bedroom of Neumann's quarters; put in glass at Dale's and Trischman's quarters and Engineer Office; painted Stinnett's kitchen; also made signs for Dr. Stauffer.

Plumbing Department: General repairs to water and sewer system at Mammoth. Commenced work on new quarters for Engineers at Mammoth, made connections to main sewer and roughed in plumbing on two buildings.

Blacksmith Shop: 16 horses shod all around; shoes caulked all around on 6 horses for road work; 1 dump wagon given general overhauling; 1 sprinkler truck overhauled and irons replaced.

Garage: 5-ton Caterpillar motor overhauled, valves ground, carbon cleaned, tracks repaired and turned, radiator repaired, all loose bolts and nuts tightened and adjusted; Gravel truck No. 541 given general overhauling, valves ground, replaced valve guides, push rods, bushings and pins for power take-off, bearings tightened, magneto and carburetor adjusted, overhauled transmission and hoisting device, radiator repaired; Gravel truck No. 512 overhauled as above except hoisting device and power take-off; Gravel truck No. 517 overhauled as above; Graham truck No. 547 given complete new transmission; Dump truck Mack No. 521 overhauled, valves ground, new motorbase installed, new crank pan, pistons, pins and rings, tightened transmission differential and steering device; Mack truck No. 530 motor partially overhauled, steering device and magneto gone over.

Electrical Department: Put in wiring for floor plug in Burney's quarters; open work wiring placed in molding in living room, dining room and hallway of Eckman's quarters; put in wiring for two complete sets of quarters (Engineers'); reset two street light posts and hung two additional street light fixtures; Chief Electrician worked as power plant operator for 9 days.

240 - Improvement of Approaches to Park

About March 1st the Pioneer Construction Company of Bozeman was awarded a contract for building the embankment on the Corwin and Carbella section of the Livingston-Gardiner road. This is the section lying in Yankee Jim Canyon. A very expensive piece of road has been constructed during the past two winters. The amount of the contract awarded the Pioneer Company was \$5,659 and the work must be finished by May 1st.

On March 16th officers of the U.S. Bureau of Public Roads, the Forest Service and the State Highway Commission conferred in Helena, Mont., on road plans for the coming working season. Projects throughout the State were considered and action was taken on two projects that belong to the approach roads leading to Yellowstone Park. For continuation of improve-

ment of the Yankee Jim or Corwin-Carbella section of the north approach road \$43,000 was allotted from Forest Service funds instead of \$32,000 tentatively allotted to this project. Most of this money will be expended in graveling work. On the west approach road from Targhee Pass to West Yellowstone the grading and graveling project originally estimated at \$40,000 appears to have been so advantageously contracted as to permit the reduction in allotment to \$30,000.

The Washington Office is even more familiar than I am with the proposal to construct a road from Red Lodge, Mont., to Cooke City, which lies just outside the northeast corner of Yellowstone Park. A plan to save to Montana the funds that it would ordinarily lose at the close of the current fiscal year as well as the funds that it is expected will be lost at the close of the fiscal year ending June 30, 1927, was worked out by a committee of citizens from Red Lodge and the State Highway Commission. Briefly, the plan is to secure the approval of Congress to the allotment of these funds which it is expected will revert to the Federal Treasury and be divided up for the construction of the Red-Lodge-Cooke City road. A bill providing for the construction of this road with the unused portion of Montana's Federal aid money was passed by the Senate on March 3. Subsequently the bill was discussed in the appropriations committee of the Senate. A special hearing was held on March 16 and as a result of this discussion it was added to the Interior Department appropriation bill as an amendment to the item carrying appropriations for Yellowstone Park. The measure is now in conference and of course it is also pending before the House roads committee, (Senate Bill 3071).

300 - Activities of Other Agencies in the Park

310 - Public Service Contractors

The Yellowstone Park Transportation Company's plant at Gardiner is completed, and except for cleaning up around the buildings no work was done during the month.

315 - New Contracts

Under personal instructions from the Director, I am preparing a form of 10-year franchise covering the permanent Yellowstone Park medical service. This franchise will be ready to submit to the Washington Office in a few days.

317 - Status of Authorized Projects of Contractors

See #310 above.

Chief Ranger Woodring has been active throughout the month in directing activities preliminary to the spring season work; he made a tour of inspection, on the 1st to the 6th inclusive, of the winter elk range along the Yellowstone and visited the Lamar River, Slough Creek and Yancey ranches for the purpose of outlining the spring season work and submitting recommendations for needed improvements. He also inspected and reported the conditions at the Hoppe Ranch and directed plowing, harrowing, ditch cleaning and general cleanup at the Gardiner Ranch during a short interval following an early thaw. Twelve acres had been plowed before a recurrence of winter season conditions terminated the work. His other activities consisted in part of repairs to equipment, general cleanup work at the truck garden, two miles below Mammoth, rebuilding of a foot bridge across the Gardiner River and in general directing the work of the ranger department.

Assistants Chief Ranger Douglas, Trischman and Liek have made regular tours of inspection of their respective supervisory territories and report excellent conditions prevailing throughout the park. They have personally directed and assisted with the ranger activities of their respective districts. Trischman patrolled 286 miles during the month; Liek patrolled 248 miles. Douglas' patrols were largely incidental to other work and the mileage covered was considerably less.

Assistant Chief Ranger Greer has been performing the routine work of the Chief Ranger's office, consisting of general correspondence directly related to the work of the ranger department, preparation of requests for ranger appointments, report compilation, communication service with outlying stations, mimeographing and generally assisting with special work from other departments and miscellaneous duties at headquarters station. The correspondence with the temporary rangers of last season indicates that 27 new appointments will be required to complete our authorized strength of 52; requests for these appointments have been prepared and sent to the Director. All applicants have been notified as to whether or not they have been selected for an appointment, and the uniform orders of successful applicants will be placed with the manufacturers immediately upon being received. This work is nearly a month in advance of preceding seasons. The ranger work in Yellowstone Park attracts increasing numbers of desirable applicants from year to year; the temporary personnel this year will consist of residents of 20 states, many of whom are graduates or students of the leading universities of the country. The desirable applicants this year exceeded the vacancies at the ratio of about 3 to 1. The total number of inquiries concerning the work were in excess of 600. All inquiries received careful and considerate attention and prompt replies.

Patrols have been regularly made throughout the month from all stations, although travel conditions have been exceedingly difficult and

skiing and snowshoeing have been generally limited to early mornings and late afternoons and evenings; other duties have consisted of snow removal from buildings, predatory animal hunting and general cleanup work at winter stations. There were no elk shipments during the month on account of mild weather conditions that made it impracticable to effect their capture and there are no indications now that further captures can be made this year. All applicants to whom shipments have been authorized have been notified accordingly and requested to renew their applications late in the year.

420 - Museum Service

Preliminary work was begun on the approved series of large oil paintings for the museum. They will represent the wild life of the park, being an extension of the series of drawings for use in the Mammoth museum and its branches. Two formerly made wash or tinted drawings, were colored by the Park Naturalist for Acting Director Haynes for use in the museum and its proposed branches. On the request of Mr. Haynes a written outline was prepared and sent to him covering the lectures given by the Park Naturalist in the park during the past two summers.

A nest and four eggs of the Clarke nutcracker were collected for the museum and properly prepared. Incidentally, the sitting bird was herself secured and is now in the flying cage.

A tentative list of things needed for the museum and for certain museum work, particularly in oology and taxidermy, was sent to Acting Director Haynes.

Two drawings in watercolors were made for use in Glacier National Park on the suggestion of Chief Naturalist Hall. The drawings show respectively a group of Rocky Mountain goats and a group of Rocky Mountain sheep, four figures in each group, and they represent mounted museum exhibits. Both were sent to Mr. J. E. Haynes at St. Paul, Minn., to be photographed and then forwarded to Supt. Kreebel of Glacier National Park.

430 - Zoo

Three Clarke nutcrackers were caught and placed in the flying cage at the Buffalo Corral. From Mr. Julius Heuman of Camp Roosevelt were received two Rocky Mountain jays; a blackheaded jay was received from Ranger Clifford Anderson at Cooke City. All these birds have been put in the flying cage. At present all are doing well, excepting that one of the Rocky Mountain jays was killed, evidently by flying against the side of the cage. It is a regular part of the daily routine of the Park Naturalist to visit the flying cage at the Buffalo Corral. This daily trip has the incidental advantage that it permits, without loss of time, note being taken of the wild life of the vicinity. Thus the arrival of bluebirds, robins, song sparrows, blackbirds, etc., was noted during the month; all this news and other incidents were recorded in the latest number of Nature Notes.

Feeding of the captive bears was begun this month, on the recommendation of the Park Naturalist. However, one of the bears somehow escaped from the enclosure, and some two weeks later, was followed by the second bear. No trace of either has been found and their whereabouts is unknown.

470 - Animals

Forage conditions are and have been exceptionally good throughout the season; there is no real shortage apparent anywhere. The unusual elk movements to the higher elevations at this early date are prompted by choice rather than necessity. Wild animal conditions generally are splendid and the winter season losses are far below normal.

Elk: Elk movements to and from the higher elevations have been quite general throughout the month, although the prevailing tendency is to move up. Their favorite winter range along the Yellowstone has been partly abandoned, particularly in the Slough Creek, Tower Falls and Lower Lamar River Districts; there were only a few small bands in these districts at the close of the month, the movement has been chiefly to Specimen Ridge, Mt. Norris and the exposed ridges of the Upper Lamar. Recent counts at other points are indicated as follows: Hellroaring Slope 700, along the Yellowstone from Hellroaring to Blacktail Deer Creek 681, Blacktail District 1000, north slope of Mt. Everts 200, north slope of Sepulchre Mountain 800. They are also reported in unusual numbers along the meadows in the upper park, particularly at Elk Park, Gibbon Meadows, and along the Firehole and Madison Rivers. There is considered to be not less than 400 along the meadows of these streams between Old Faithful and Riverside. The gallatin herd is now almost entirely within the Gallatin Game Preserve, although there has been a moderate drift to and from points within the park throughout the month. The following winter kills were observed and reported: 5 calves and 1 cow in the Soda Butte District, 2 bulls in the Slough Creek District and 2 calves in the Gallatin District, total 10, which, together with a previously reported total of 8, makes a total of 18 this season to date as compared with 185 to April 1st of last year. There were no shipments during the month and it will not be practicable to make further shipments this year.

Deer: Recent counts on deer submitted by rangers on patrol are as follows: Reece Creek District 200, Hellroaring-Crevise District 300, Mammoth-Gardiner District 195, Tower Falls District 35, Soda Butte District 30, Old Faithful District 40, total 800. Isolated counts ranging from 2 to 5 have been submitted from the Upper Lamar, Sylvan Pass and Bechler River Districts which indicates that although they are widely distributed they mainly frequent the northern area of the park. The losses occurring during the month are indicated as follows: 2 young bucks killed by coyotes in the Hellroaring District, total losses for the month 2, which together with a loss of 4 previously occasioned by coyotes, a loss of 1 from accidental injuries, and a loss of 70 occasioned by hunters makes a total loss this season to date of 77.

Antelope: The special daily patrols of the antelope range that have been effective throughout the winter were concluded on the 15th. Conditions have been exceptionally good at all times and losses have been slight. Our best count was secured late in December and the total was 497. The herd total is believed to be not less than 510. A band of 200 have been wintering on the Hoppe and Stoll ranches, adjoining the north boundary of the park since early in January; they returned to the park on March 22nd with the exception of a small band of 18 that were frightened away from an opening in the fence at a time when they were attempting to pass through. A band of 12 were observed in the vicinity of Lamar River Bridge - Tower Falls District - on the 25th which indicates an unusually early drift to their summer range. A loss of one, winter kill, occurred during the month which together with 2 coyote kills previously reported makes a total loss of 3 this season to date.

Moose: Reports on moose are limited to a few isolated counts which are indicated as follows: Gallatin District 7, Snake River District 7, Cooke City District 6, Bechler River District 2, and Canyon District 1. Numerous signs were observed along the Upper Lamar and in the Thorofare District.

Sheep: The sheep counts this season to date which will probably indicate the maximum counts obtainable are as follows: Along the Yellowstone River between Gardiner and Crevice Stations 40, Tower Falls District 78, Mt. Morris 17, Abiathar Peak 4, Sheep Mountain-Cooke City District, outside the park 14, Hellroaring District 18, Baronett Peak 14, total 185. No losses have been observed during the season.

Buffalo-Lamar River Herd: Buffalo feeding was concluded on the 22nd, when the herd abandoned the feed grounds. They have since scattered out in small bands ranging along the exposed ridges from Mt. Morris to Tower Falls, Slough Creek and Hellroaring. 600 tons of hay have been fed this season, leaving a balance on hand at this time of 421 tons. The condition of the herd is excellent with the exception of a few old cows, 2 steers and 1 bull, all of which are crippled and poorly conditioned. No losses have occurred during the month.

Buffalo-Cold Creek-Pelican Flats Herd: Only 5 were seen in the Pelican Creek District during the month but patrols from the Soda Butte District report a total of 37 recently observed at points along the Upper Lamar River. The maximum counts secured this season to date consist of 25 in the Pelican Creek District and 37 on the Upper Lamar, making a total of 62. The estimated total of this herd is 125.

Bears: Bears are out of hibernation at Old Faithful, Lake, Tower Falls and Mammoth, and signs have been reported at Upper Slough Creek, Soda Butte Cabin and in the vicinity of the snowshoe cabin on Miller Creek. The two captive bears at headquarters station made their escape early in the month by climbing over the wall of their inclosure.

They had been out of hibernation only a few days. All efforts to locate them have failed thus far but it is believed they will reappear in search of food. Only one grizzly sign has been reported to date. The tracks were observed in the Bechler River District.

Predatory Animals: No lion or wolf signs were observed during the month. Lynx signs were reported on Pebble Creek and in the Bechler River District. Coyotes were frequently seen and signs were plentiful but fewer were killed than during preceding months. The total number killed during the month is 13 which together with 225 previously reported makes a total this season to date of 238 as compared with 169 to April 1st last year, and 209 to the same date of the year preceding.

Small Animals: Beaver are again active along Blacktail Deer Creek, Upper Slough Creek, and in the Tower Falls and Bechler River Districts. Abundant signs of otter, marten and mink have been recently observed and reported from practically every patrol district in the park. Wood chucks made their first appearance in the Mammoth District early in the month. They have since appeared at numerous other points including Lake Station where they were first observed on the 24th. Gophers are also numerous at Mammoth and Tower Falls; their first appearance was observed about March 15th.

Water Fowl: Water fowl is abundant on all the larger streams of the park, particularly ducks and geese. A pair of pelicans were observed on Pole Cat Creek - South District - on the 12th.

Buffalo and Other Ranch Operations: The activities at Buffalo ranch have consisted of general cleanup, maintenance and repair of buildings and equipment, buffalo and horse feeding and other routine work. Buffalo feeding was concluded on the 22nd. 600 tons of hay have been fed this season to date, leaving a balance on hand of 421 tons. The activities at the Slough Creek ranches have consisted of the feeding and care of ranch horses, general cleanup and maintenance of buildings and grounds.

The horse herd consisting of the Park Service and ranger horses were fed and otherwise cared for at the Yancey Ranch throughout the month; this herd consists of 49 head. Twenty-seven tons of hay were fed during the month, which, together with 18 tons previously reported, makes a total of 45 tons this season to date. Balance on hand 28.48 tons. Other activities have consisted of general cleanup work consisting in part of the removal of a large accumulation of manure at the stables and feed yard. This work was mostly performed by ranger labor.

A small tonnage of hay was fed from the stacks at the Gardiner ranch in connection with the elk shipping activities during the month of February; the amount thus fed was approximately 8 tons, leaving a balance on hand of 120 tons.

The activities at the Gardiner Ranch this month have consisted of 12 acres being plowed; 15 acres of the land that was plowed last fall was harrowed and a small amount of ditch cleaning was done; this work was being rushed immediately following an early thaw but had to be abandoned on account of a recurrence of winter season conditions.

480 - Natural Phenomena

In addition to material published in the Nature Notes, Volume 3, No. 3, attached hereto, I want to report that on March 21 I made a very thorough inspection of the Mammoth Hot Springs terraces and found conditions as follows: Jupiter Terrace was normally active, overflow of water and the building of new terraces taking place in the same general locality as the activity of last year. The heavy flow of hot water from this terrace, which is heavily impregnated with lime, is clogging the steel culvert through deposition of lime to such an extent as to cause an overflow of the road. It is going to be necessary to spend upwards of \$500 in building a new concrete culvert that will take care of this heavy flow of water. Above and a little to the south of the top of Jupiter terrace is about as active as it was last year. This terrace which we regard as a new one, although it is simply an old one broken out anew, has been active for more than two years. Probably the most interesting change in the terrace since the closing of last season has taken place in the Angel Terrace. The hot water which has been flowing from the big spring of Angel Terrace has during the past two years flowed over either the south or the north ends of the terraces and the flow has been comparatively small in volume. This activity has been difficult to observe and this wonderful terrace has been regarded by many casual observers as "dead." However, during the winter the flow of the spring increased and it is now flowing over the high east face of the formation and is just about as beautiful as it ever was. It will be recalled that in 1919 Landscape Engineer C. P. Punchard cut a vista from the main Mammoth-Norris road in order that this beautiful terrace might be seen to the best advantage. This vista will again this year serve its admirable purpose.

Conditions about the Devil's Kitchen are normal except that there are no bats in the place. Most people would consider this loss of bats an advantage but we feel that this little touch of animal life in the cave added considerable interest. From the Devil's Kitchen the terrace trail leads us to the White Elephant, and here I found activity rather less than usual. The White Elephant itself is active only in one or two small spots but there is still considerable activity in several places at the bottom of the formation and at the south end where the road crosses it the hot water is gushing up through a rift in the limestone. This rift extends across the road and the hot spring is building a terrace right where the automobiles would begin running two months from now. It will probably be necessary for us to build a new road around this outbreak.

I did not notice any new activity at Stygian Caves, nor did I find bodies of any birds near these caves. Poisonous fumes come from these holes in the formation and usually bodies of dead birds can be found there.

Orange Spring, which is a very remarkable formation, seems to be rather less active than usual but this spring may increase in volume as the ground water increases.

Returning to the spring on the east face, "Highland Terrace" is still very active and very beautiful but the activity at "Glen Spring" north of Angel Terrace has ceased. At the northern end of the big terraces overlooking headquarters the Harrow Gauge Terrace is active at its eastern corner. Cleopatra Terrace is functioning about as last year. The water is flowing over some new sections of the formation. Hymen Terrace, almost on the level of the headquarters plaza, is intensely active in one or two places but the big old section of the terrace is inactive. A couple of new springs have broken out near the U.S. Commissioner's house and close to the road. It is not likely that they will continue active and we rather hope that activity will cease because they may build terraces that will be difficult to control, and thus cause damage to the roads and sidewalks that will be very costly to repair.

Summing up conditions at Mammoth Hot Springs, I should say that while there is not more than the normal amount of water flowing over the terraces it appears that, considering Angel Terrace, the direction that the water is taking will make the terraces more interesting and beautiful than they were last year.

490 - Miscellaneous:

The Yellowstone Park branch of the Union Pacific Railway was opened to travel between Ashton, Idaho and Yellowstone Park when the snow plow arrived at West Yellowstone on the afternoon of March 15th. The first train of the season arrived on Saturday, the 30th.

The highway from Cody to Pahaska Tepee, 2-1/4 miles from the eastern entrance to the park, was opened to auto travel on the 30th.

Special Incident: The services of park ranger Earl S. Bowman were terminated on March 10th on account of death resulting from an auto turnover at a point on the public highway between Gardiner and Livingston, Mont. A detailed report of the incident is submitted herewith.

510 - Increase or Decrease in Travel

No visitors were registered at any of the park entrances during the month; however, a number of people have taken advantage of the fine weather and good roads by journeying from Livingston and other points to Mammoth Hot Springs. No exact count has been had of this travel but it is considered to comprise not less than 96 visitors. The pre-season travel to March 1st is 514, which, together with the visitors this month, makes a total of 610, as compared with 697 to April 1st of last year.

520 - General weather conditions

521 - In the Park

Temperature: Monthly mean, 29.2° is 2.7° above normal. The first three weeks of the month were abnormally warm and pleasant, and while the last week was cold and stormy. The highest was 59° on the 22nd, and the lowest 3° below zero on the 29th. This is the second time during the entire winter that zero temperature has been recorded; the previous occurrence was 3° below on January 20th.

Precipitation: Total, 0.56 inch, is 1.62 inches below normal, and with one exception the least of record for March.

Snowfall: Total 5.8 inches, about one-half of which occurred during the last three days of the month; normal 16.8 inches. The snow cover disappeared unusually early, the ground being bare during the latter half of the month, except for 2.2 inches that fell in the storm of the 29-30th.

Wind: Average hourly velocity 7.3 miles; normal 8.7. The maximum velocity was 36 miles per hour from the northwest on the 4th.

Sunshine: Percentage of possible 67; normal 57. Number of days clear 7, partly cloudy 17, cloudy 7, with precipitation 12.

Weather Bureau Form 1030 is attached.

Snow Depths: Snow depths throughout the park at the close of the month are indicated as follows, with comparative figures for March 31st of last year:

<u>Station</u>	<u>1925 (Inches)</u>	<u>1926 (Inches)</u>
Buffalo Ranch	10	2
Soda Butte Cabin	--	4
Cooke City Station	--	35
Tower Falls	10	6
Old Faithful	--	18
Lake	43	23
Thorofare	--	26
Hellroaring	--	4
Norris	--	22
Canyon	42	37
Riverside	38	14
Gallatin	39	28
Sylvan Pass	30	18
Snake River	58	43
Bechler River	--	50
Upper Slough Creek	16	33
Lower Slough Creek	12	--

Further reports from the South District indicate snow depths at other points as follows: Cascade Creek 70 inches, Bechler River Canyon 96 inches, Buffalo Lake 84 inches, South Riverside Cabin 84 inches. The greatest snow depth between Mammoth and Norris is 35 inches at Crystal

Spring; there is 41 inches on the Norris-Canyon Divide and 72 inches at the Trout Creek drift between Canyon and Lake. Temperatures have been generally mild throughout the month with the exception of the 28th to 31st inclusive when comparatively low temperatures were reported throughout the park; the lowest temperatures for the period occurred on the morning of the 29th which were reported as follows: Riverside 20 below zero, Gallatin 14 below, Snake River 13 below, Sylvan Pass 10 below, Norris 15 below, Buffalo Ranch 12 below, Cooke City Station 20 below and Mammoth Station 3 below.

530 - General Road Conditions

There is no change in the road conditions of the preceding months. Motor trucks are operating between Gardiner and Soda Butte Cabin and four horse freight teams are making frequent trips between Soda Butte Cabin and Cooke City, Mont. All heavy hauling will be suspended when the road begins to thaw out. The condition of the road at this time is fairly good except that there is not sufficient clearance for automobiles. Mail deliveries have gone through on regular schedule. All other park roads are closed to travel.

640 - Destruction of Predatory Animals

A total of 13 coyotes were killed during the month.

900 - Hospital and Medical Service

Dr. L. J. Stauffer reports 47 house calls and 10 office calls during the month of March.

Church Services

Services were held by the Congregational minister from Livingston, Mont., Rev. S. R. McCarthy, Sunday evening, March 21st.

Rev. Geo. C. Koehler, English Lutheran minister from Great Falls, Mont., held a confirmation service the evening of Tuesday, March 9th.

Rev. Otto G. Ponath, Methodist minister from Pine Creek, near Livingston, Mont., held services three Wednesday evenings during March, namely the 3rd, 17th and 31st.

Izaak Walton League

The Yellowstone Park chapter of the Izaak Walton League held its regular business meetings on March 2nd, 16th and 30th. The League also held a picture show open to the public on March 8th, showing the celebrated film "The Thundering Herd"; and also gave a public dance on the evening of Saturday, March 20th.

Establishment of Chief Civil Engineer's Office in Yellowstone

Pursuant to instructions from the Washington Office and in compliance with memorandum to the Secretary dated December 16, 1925 and approved by the

Secretary on January 22, 1926, the Portland office of the National Park Service, Office of the Chief Civil Engineer, was dismantled and abandoned and all fixtures and remaining personnel moved to Yellowstone Park headquarters. Acting Chief Civil Engineer Bert H. Burrell arrived on March 18 with Mrs. Burrell, coming by automobile. On March 18 also Chief Clerk Earl H. Brown arrived with his family - a wife and two children. On March 15 Ward P. Webber arrived by train. Mrs. Webber followed a few weeks later, and Resident Engineer Merrill P. Daum arrived with Mr. Webber and immediately took up his work in the Yellowstone Park offices. Resident Engineer A. W. Burney, who has been promoted to Maintenance Engineer, of the National Park Service, continued work in the Yellowstone office, clearing up the matters on which he has been engaged, and instructing Mr. Daum. The Chief Civil Engineer's office is now located in the big squad room and non-commissioned officers' rooms of the Guardhouse building. This is a fine concrete structure and will make admirable quarters for the engineering division.

Proposed Revision of Yellowstone Park Boundary Lines

On March 2nd Representative H. J. Sinnott, Chairman of the House Public Lands Committee, introduced H. R. 9917, a bill "to Revise the boundary of the Yellowstone National Park in the States of Montana, Wyoming and Idaho, and for other purposes." This bill provides for carrying out the recommendations of the President's Coordinating Commission. An identical bill S3427, was introduced on March 3 (calendar date March 5) by Senator R. W. Stanfield, Chairman of the Senate Public Lands Committee. Carrying out instructions from the Washington Office, I prepared a complete report on the proposed revision of Yellowstone Park boundary lines and forwarded this to the Director on March 25th. I also prepared another report on the Bechler River Basin which Congressman Addison T. Smith of Idaho proposed to have eliminated from the Park by an amendment to the pending boundary revision bill.

Cordially yours,

MORACE M. ALBRIGHT
Superintendent.

The Director,
National Park Service,
Dept. of the Interior,
Washington, D.C.

AMM

UNITED STATES

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

STATUS OF AUTHORIZED PROJECTS

YELLOWSTONE

National Park for the Month of

MARCH, 1926.

Description of Projects	Percent Constructed To Date	Percent Constructed This Month	Percent Constructed Last Month	Probable Date of Completion
<u>Project #3- Reconstruction of Lake Shore Road (12.4) miles</u>				
Clearing and grubbing	100%	None	None	
Grading and finishing	85%			June 20, 1926
<u>Project #6 - Reconstruction Old Faithful Road (1.5) mi.</u>				
Grading and finishing	100%	0	0	
<u>Project #7 - Reconstruction at Bluff Point (1 mi.)</u>				
Grading and finishing	100%	0	0	
<u>Project #9 - Unit #1 -Recon- struction Tower Falls-Mammoth Road (2.25 mi.)</u>				
Grading and finishing	100%	0	0	
Graveling, 1-1/4 miles				
<u>Inspiration Point Road (2 mi.)</u>				
Clearing and grubbing	65%	0	0	Aug. 1, 1926
Grading and finishing	0	0	0	

UNITED STATES

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

STATUS OF PERSONNEL

YELLOWSTONE..... National Park for the Month of MARCH, 1926.....

	This Month	This Month Last Year
Number of employees beginning of month,	66	62
Number of additions,	1	1
Total,	67	63
Number of separations,	1	1
Number of employees close of month, . . .	66	62
Number of promotions during month	---	---
Aggregate amount of annual leave taken,	106	153
Aggregate amount of sick leave taken,	14	56
Aggregate amount of leave without pay,		69

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

REPORT OF PARK REVENUES

Yellowstone National Park for the Month of March, 1926

	This Year	Last Year
Park revenue on hand beginning of month,	None	None
Received,	33.16	164.51
Total,	33.16	164.51
Remitted,		
On hand close of month,	<u>33.16</u>	<u>164.51</u>

Park revenues received this year to date,	\$342,522.35*
Park revenues received last year to date,	<u>325,835.55</u>
Increase,	<u>16,686.80</u>
Percent of increase,	<u>.051</u>

Through oversight C.D.#158, dated October 14, 1925, for \$3,884.59 (revenue from sale of motorcycle and automobile permits) was not reported in report of revenues for October. This amount is included in above total of \$342,522.35.

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

REPORT OF TELEPHONE AND TELEGRAPH BUSINESS

YELLOWSTONE National Park for the Month of MARCH, 1926.

	This Month	This Month Last Year	Increase	Percent Increase
--	---------------	----------------------------	----------	---------------------

LOCAL BUSINESS

Files of circuit maintained,	363	351	12	.034
No. of telephones connected,	133	124	9	.072
No. of measured service calls,				
No. of other local calls,				
Total No. of local calls,	6774	4009	2765	.67
Peak load in calls per day,	292	224	68	.30

Receipts from measured service calls, . . .	
" " coin boxes,	
" " telephone rental,	

TOTAL RECEIPTS

LONG DISTANCE BUSINESS

No. Outbound calls,	72	65	7	.11
No. Inbound calls,	102	107	-5	-.05

TOTAL LONG DISTANCE CALLS

Peak load in calls per day,	12	14	-2	-17
Receipts from Long Distance business, . . .	32.26	25.37	6.89	.27

TELEGRAPH BUSINESS accrues to the Mountain States Telephone Company.)

Messages via Western Union,	
Messages via	

TOTAL MESSAGES

Receipts from telegraph business,	
No. of money transfer messages,	
" " " " receipts,	

TOTAL RECEIPTS TELEPHONE & TELEGRAPH DEPTS-

UNITED STATES

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

*ELECTRICITY GENERATED, SOLD, USED, ETC.

National Park for the Month of

YELLOWSTONE

MARCH 1926

	This Month	This Travel Year To Date	This Month Last Year	Last Travel Year To Date	Increase for Travel Year	
					Number	Percent
Current generated,	51120.	522210.	49550.	473070.	49140	10
Sold to park operators, . . .	314.	75005.30	2834.30	82491.57	-7486.27	-.08
Sold to others,						
Furnished to other Governmental agencies,						
Used by National Park Service, lost in transit, etc., . . .	50806.	447204.70	46715.70	390578.43	56626.27	14
Total current generated, . .	51120.	522210.00	49550.00	473070.00	49140.00	10

Amount receivable from the sale of electricity, \$ 15.70

Indicated by K. W. H.

Yellowstone Park, Wyoming.

March 15th 1926.

Memorandum report: Re Earl S. Bowman, Park Ranger.
Yellowstone Park, Wyoming.

Report of death occurring on March 10th 1926.

Previous to his death on the above date Mr. Bowman had secured leave of absence from his duties in the park on March 8th, and had spent the night of the 8th with his mother at Gardiner, Montana.

He proceeded from Gardiner to Livingston, Montana on the morning of the 9th in his own automobile which he had been keeping in storage at Gardiner during the winter season.

He submitted to a minor operation at the Park Hospital, Livingston, Montana on the 9th and on the advice of Dr. C. A. Windsor remained over night for treatment and observation the following day.

He left Livingston for the return trip to Gardiner about 4:00 P. M. on the 10th, and is believed to journeyed by way of Chico Hot Springs enroute with the view of settling an account at that point.

We have no definite information, however, concerning his movements after he left Livingston until he approached the point where the accident occurred; this point is at a railroad crossing about two miles above Emigrant, Montana.

The highway from Emigrant before reaching the crossing consists of a straightaway paralleling the east side of the railroad for a considerable distance. The curve at the crossing is sharp.

Mr. Boteler, a rancher at this point, heard Bowman rapidly approaching along the straightaway and saw him attempt to make the curve at the crossing; the car took the extreme outer rim of the road at the curve and swerved to the right sideswiping the railroad track with the front and rear left wheels.

Memorandum report: Re Earl S. Bowman, Park Ranger. Deceased.

The force of the impact lifted the car clear of the ground and hurled it for a distance of about 15 feet where upon striking the ground the car turned bottom upwards and came to a stop with the front of the car at an angle of about 45 degrees from the direction he had been traveling.

Bowman kept his position in the drivers seat throughout, and when the car turned bottom upwards the steering wheel rested on his chest and pinned him firmly to the earth, as the top of the car was crushed flat.

The pressure on his chest prevented breathing and he died before relief could be had.

Mr. Boteler, with his wife and hired man, immediately rushed to the point where the car had turned over,- a distance of about 300 yards,- and did everything possible to save Mr. Bowman's life but the weight of the car was too great for their combined efforts and Mrs. Boteler, who is a trained nurse, announced that heart action had ceased several minutes before the body was removed from under the car. The body was removed by digging the earth from under it.

Mr. Boteler was assisted in this work by his hired man, Mr. Henderson of Livingston, Montana, Mr. J. P. Anderson of the Yellowstone Park Camps Co., Yellowstone Park, Wyoming, and two men from Big Timber, Montana whose names were not learned. The four last named were enroute between Livingston and Gardiner at the time of the accident.

Chief Ranger, Woodring was one of the first to arrive at the scene of the accident the following morning and assisted in the work of uprighting the car; he incidentally removed the contents of the car which consisted of a few personal belongings of the deceased; he also observed that the ignition was still on and the gears were engaged in high.

The car was afterwards driven to Gardiner, Montana on it's own power; there was no damage apparent except that the top was crushed and the steering wheel slightly bent.

Mr. G. Walter Selby, Undertaker at Livingston and Coroner of Park County, Montana, took charge of the remains. Doctors G. A. Windsor, and H. S. Strickland of Livingston performed a post mortem examination and report that there were no internal injuries and that the external injuries consisted only of two slight abrasions on the left shoulder, and that death was caused by strangulation.

Memorandum report: Re Earl S. Bowman, Park Ranger, Deceased.

The funeral service was held in the Opera House at Gardiner on Sunday, March 14th at 3:00 P. M. Reverend, Huxley of Livingston officiating. The house was filled to capacity, which together with the attractive floral offerings paid an impressive silent tribute to the memory of the deceased.

All available rangers, fully uniformed, and practically all residents of Mammoth Hot Springs attended the service. The pall bearers consisted of Chief Ranger, Woodring and 5 of his men who had been most closely with Earl in line of duty. It was probably the largest funeral service ever held in Gardiner.

Mr. Bowman was born at Drakeville, Iowa, on December 12th 1884 and died on March 10th 1926, at the age of 41 years, 2 months, and 29 days.

He became a resident of Livingston, Montana, in 1906 and removed to Gardiner, Montana in 1909; he has since been almost constantly employed in Yellowstone National Park.

His services have consisted in part of the following:- winter-keeper at Yellowstone Park Hotels, stage driver, stable foreman, and assistant superintendent of transportation for the Yellowstone Park Transportation Company during the old stage coach days.

His employment with the National Park Service dates from March 1919; on September 27th 1919 he was appointed to the position of Park Ranger and entered on duty on October 1st of the same year. He has since been employed in this capacity to the date of his death.

He has served at Snake River Station, Therefore or Upper Yellowstone, and as ranger in charge of the station at Yellowstone Lake for a period of two years; he was afterwards on detail at headquarters station for more than a year and was thereafter transferred to the Tower Falls Station where he was assigned to a district patrol and placed in charge of our big horse herd at the Yancey Ranch.

He was a genial and kindly fellow, and was universally liked by all who knew him; he was one of the best fishermen in the country and probably holds the record for big trout caught in the streams of the park; his record catch consists of a 21 pound Mackinaw which he took from the waters of Snake River during the period of his duty assignment at that point.

He was one of the 6 highest paid rangers on the Yellowstone Park Ranger Force which testifies to the merits of his work.

Memorandum report: Re Earl S. Bowman, Park Ranger, Deceased.

Earl has never been married, and is survived by his mother, Mrs. L. Bowman, by his sister Mrs. Jack Charles, and by his brothers Alford and Herschel; all his surviving relatives with the exception of his brother Herschel are residents of Gardiner, Montana.

The last named is a ranger in Yellowstone Park, and his duty station is at Yellowstone Lake.

We all sincerely deplore this sad misfortune and regret the loss to the service of a very valuable man.

It might be of interest to remark in conclusion that the rancher, Mr. Boteler, who witnessed the accident has seen four cars turned bottom upwards at the exact point where Mr. Bowman was killed.

SIGNED.

HORACE M. ALBRIGHT,
Superintendent.

HMA/c

(COPY)

341 Selby Ave.,
St. Paul, Minn.,
April 6th, 1925

MARCH REPORT TO SUPERINTENDENT H. M. ALBRIGHT

The month of March was devoted largely to the compilation of material, and the collecting of lectures and talks previously given by members of the National Park Service, to be revised and kept in the form of a book of typed pages, and copies of which will be at each station during the coming summer, for the use of the ranger naturalists especially.

An exhibit was received from the headquarters of the U.S. Weather Bureau.

Stories of the following expeditions were prepared for framing for purposes of exhibition: Colter, Bridger, Meek, Ferris, Ashley-Smith, and Cook-Polsom.

185 pictures taken by Ranger H. E. Hall were mailed to Superintendent Albright and the negatives returned to Mr. Hall.

636 photographs of color drawings by Mr. Sawyer were sent to Supt. Albright for publicity purposes, and it was found that such a shipment may not be broken up into lots of four pounds each so that they may be franked, from the St. Paul Post office.

Correspondence was carried on with Mr. C. A. Hamilton regarding the possibility of getting Dr. Lutz to come to the park next summer.

It was definitely settled that the Wyoming State Flower was designated as the Indian paint brush in 1917. This information was procured from the Historical Department of that State.

It was also determined that the term "black pine" is misleading as it is not a scientific division of the pines (by Dr. Conard) and that lodgepole pines should be spoken of as "yellow pines" or "hard pines."

A short list of the correct forms of plurals of animals' names was received from Dr. Hornaday, this to be continued.

At the suggestion of Mr. Ansel F. Hall the story of the 1,500 foot geyser, Waimangu, of New Zealand was read in the August 1925 National Geographic. It is still to be ascertained if this geyser is now an active rival of the Giant Geyser of the Yellowstone for the title of the "largest geyser in the world today."

The following lectures and talk have been completed and are ready for the final typing:

Predatory Animals: criticised by Superintendent Albright, Dr. Conard,
Mr. Sawyer, Mr. Woodring, Dr. Thone, and Mr. Skinner.

M. Lindsley's Lecture: criticised by, Superintendent Albright and
Dr. Conard.

Dr. Thone's Lecture: not criticised, but copies of the completed lecture
sent to Superintendent Albright and to Dr. Conard.

The following lectures and stories are unfinished to date but all on hand.

Algae: to be criticised by Superintendent Albright, Dr.
Conard, Dr. Bumpus, Dr. Harvey, and Professor Satchell.

J. D. Landsdowne's Lecture:
To be criticised by Superintendent Albright and Dr. Conard.

Gerrit Denmin's Lecture:
to be criticised by Superintendent Albright and Dr. Conard.

Three lectures from Dr. Conard and one from Dorr Yeager are on hand and
have been read by us but not yet retyped and sent to be read by others.

A general correspondence is kept up concerning all things of importance to
the Museum and Information Office interests.

This report is respectfully submitted, April 6th, 1926, by,

MARGUERITE LINDELEY (RANGER)
Assisting the Acting Director,
Yellowstone Park Museum

cc to Chief Naturalist Ansel F. Hall.

(COPY)

341 Selby Ave.,
St. Paul, Minn.,
April 6th, 1925

MARCH REPORT TO SUPERINTENDENT H. M. ALBRIGHT

The month of March was devoted largely to the compilation of material, and the collecting of lectures and talks previously given by members of the National Park Service, to be revised and kept in the form of a book of typed pages, and copies of which will be at each station during the coming summer, for the use of the ranger naturalists especially.

An exhibit was received from the headquarters of the U.S. Weather Bureau.

Stories of the following expeditions were prepared for framing for purposes of exhibition: Colter, Bridger, Meek, Ferris, Ashley-Smith, and Cook-Polson.

185 pictures taken by Ranger H. E. Hall were mailed to Superintendent Albright and the negatives returned to Mr. Hall.

636 photographs of color drawings by Mr. Sawyer were sent to Supt. Albright for publicity purposes, and it was found that such a shipment may not be broken up into lots of four pounds each so that they may be franked, from the St. Paul Post office.

Correspondence was carried on with Mr. C. A. Hamilton regarding the possibility of getting Dr. Lutz to come to the park next summer.

It was definitely settled that the Wyoming State Flower was designated as the Indian paint brush in 1917. This information was procured from the Historical Department of that State.

It was also determined that the term "black pine" is misleading as it is not a scientific division of the pines (by Dr. Conard) and that lodgepole pines should be spoken of as "yellow pines" or "hard pines."

A short list of the correct forms of plurals of animals' names was received from Dr. Hornaday, this to be continued.

At the suggestion of Mr. Ansel F. Hall the story of the 1,500 foot geyser, Waimangu, of New Zealand was read in the August 1925 National Geographic. It is still to be ascertained if this geyser is now an active rival of the Giant Geyser of the Yellowstone for the title of the "largest geyser in the world today."

The following lectures and talk have been completed and are ready for the final typing:

Predatory Animals: criticised by Superintendent Albright, Dr. Conard, Mr. Sawyer, Mr. Woodring, Dr. Thome, and Mr. Skinner.

M. Lindsley's Lecture: criticised by, Superintendent Albright and Dr. Conard.

Dr. Thome's Lecture: not criticised, but copies of the completed lecture sent to Superintendent Albright and to Dr. Conard.

The following lectures and stories are unfinished to date but all on hand.

Algae: to be criticised by Superintendent Albright, Dr. Conard, Dr. Bumpus, Dr. Harvey, and Professor Setchell.

J. D. Landsdowne's Lecture: to be criticised by Superintendent Albright and Dr. Conard.

Gerrit Domink's Lecture: to be criticised by Superintendent Albright and Dr. Conard.

Three lectures from Dr. Conard and one from Dorr Yeager are on hand and have been read by us but not yet retyped and sent to be read by others.

A general correspondence is kept up concerning all things of importance to the Museum and Information Office interests.

This report is respectfully submitted, April 6th, 1926, by,

MARGUERITE LINDELEY (RANGER)
Assisting the Acting Director,
Yellowstone Park Museum

cc to Chief Naturalist Ansel F. Hall.